

ABSTRACT

[00033] A chiller for reducing the temperature of previously eviscerated whole birds and the like, includes a tank having a bird outlet end, a bird inlet end, an inlet end plate, an outlet end plate, and a water reservoir between the ends. The poultry chiller also includes water circulation means for introducing water into the reservoir at the bird outlet end of the tank, draining water at the bird inlet end of the tank, and forming a movement of water generally from the bird outlet end toward the bird inlet end of the tank. The chiller further includes a motive device for urging the birds from the bird inlet end to the bird outlet end of the tank, the motive device being in driven relationship with a power means. A transverse wall having a lower portion, a central portion, and a top edge, is disposed at the bird inlet end of the tank substantially parallel to the inlet end plate such that a sump is formed between the lower portion of the transverse wall and the inlet end plate.